

=> s GDNF (3a) receptor#
L1 835 GDNF (3A) RECEPTOR#

=> s 11 (40a) persephin
L2 31 L1 (40A) PERSEPHIN

=> duplicate remove
ENTER L# LIST OR (END):12
DUPLICATE PREFERENCE IS 'MEDLINE, BIOSIS, USPATFULL, PCTFULL'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L2
L3 27 DUPLICATE REMOVE L2 (4 DUPLICATES REMOVED)

=> d 1-27

L3 ANSWER 1 OF 27 USPATFULL on STN
AN 2004:334890 USPATFULL
TI Cystine knot growth factor mutants
IN Weintraub, Bruce D., Rockville, MD, UNITED STATES
Szkudlinski, Mariusz W., Potomac, MD, UNITED STATES
PI US 2004265972 A1 20041230
AI US 2004-826324 A1 20040419 (10)
RLI Continuation of Ser. No. US 2001-813398, filed on 20 Mar 2001, PENDING
Continuation of Ser. No. WO 1999-US5908, filed on 19 Mar 1999, PENDING
PRAI WO 1998-US19772 19980922
DT Utility
FS APPLICATION
LN.CNT 14192
INCL INCLM: 435/069.400
INCLS: 435/320.100; 435/325.000; 530/397.000; 514/008.000; 536/023.500
NCL NCLM: 435/069.400
NCLS: 435/320.100; 435/325.000; 530/397.000; 514/008.000; 536/023.500
IC [7]
ICM: A61K038-22
ICS: C07K014-575; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 2 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2004078775 PCTFULL ED 20040922 EW 200438
TIEN INTRACELLULAR SIGNALING-INDUCED RET-INDEPENDENT GDNF RECEPTOR-EFFECTED
MORPHOLOGICAL CHANGES
TIFR CHANGEMENTS MORPHOLOGIQUES INDUITS PAR LA SIGNALISATION INTRACELLULAIRE
INDEPENDANTE DU RET ET PROVOQUEE PAR LE RECEPTEUR DU GDNF
IN SARIOLA, Hannu, Oravatie, 15, FIN-00800 Helsinki, FI [FI, FI];
POPSUEVA, Anna, Merirastilantie 17 H 68, FIN-00980 Helsinki, FI [FI,
RU];
SAARMA, Mart, Kulosaaren Puistotie 36 A 4, FIN-00570 Helsinki, FI [FI,
EE]
PA LICENTIA LTD, Erottajankatu 19 B, FIN-00130 Helsinki, FI [FI, FI];
SARIOLA, Hannu, Oravatie, 15, FIN-00800 Helsinki, FI [FI, FI];
POPSUEVA, Anna, Merirastilantie 17 H 68, FIN-00980 Helsinki, FI [FI,
RU];
SAARMA, Mart, Kulosaaren Puistotie 36 A 4, FIN-00570 Helsinki, FI [FI,
EE]
AG ACKROYD, Robert, W.P. Thompson & Co., Eastcheap House, Central Approach,
Letchworth Garden City, Hertfordshire SG6 3DS, GB
LAF English
LA English
DT Patent
PI WO 2004078775 A2 20040916
DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG

MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE
 SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM
 ZW
 W-U: AE AL AM AT AZ BG BR BY BZ CN CO CR CZ DE DK EC EE ES FI
 GE HU JP KE KG KP KR KZ LS MD MX MZ NI PH PL PT RU SK SL
 TJ TR TT UA UG UZ YU
 RW (ARIPO): BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
 RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
 RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
 NL PL PT RO SE SI SK TR
 RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
 AI WO 2004-IB985 A 20040305
 PRAI US 2003-60/452,219 20030305

L3 ANSWER 3 OF 27 USPATFULL on STN
 AN 2003:305996 USPATFULL
 TI Methods for stimulating nervous system regeneration and repair by
 regulating arginase I and polyamine synthesis
 IN Filbin, Marie T., New York, NY, UNITED STATES
 Ratan, Rajiv R., Cambridge, MA, UNITED STATES
 PI US 2003215428 A1 20031120
 AI US 2003-275513 A1 20030407 (10)
 WO 2001-US14364 20010504
 DT Utility
 FS APPLICATION
 LN.CNT 2835
 INCL INCLM: 424/093.210
 INCLS: 435/368.000
 NCL NCLM: 424/093.210
 NCLS: 435/368.000
 IC [7]
 ICM: A61K048-00
 ICS: C12N005-08
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 4 OF 27 USPATFULL on STN
 AN 2002:301743 USPATFULL
 TI Cystine knot growth factor mutants
 IN Weintraub, Bruce D., Rockville, MD, UNITED STATES
 Szkudlinski, Mariusz W., Potomac, MD, UNITED STATES
 PI US 2002169292 A1 20021114
 AI US 2001-813398 A1 20010320 (9)
 RLI Continuation of Ser. No. WO 1999-US5908, filed on 19 Mar 1999, UNKNOWN
 PRAI WO 1998-US19772 19980922
 DT Utility
 FS APPLICATION
 LN.CNT 13856
 INCL INCLM: 530/397.000
 INCLS: 514/008.000; 536/023.500; 435/069.400; 435/325.000; 435/320.100
 NCL NCLM: 530/397.000
 NCLS: 514/008.000; 536/023.500; 435/069.400; 435/325.000; 435/320.100
 IC [7]
 ICM: A61K038-22
 ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-575
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 5 OF 27 USPATFULL on STN
 AN 2002:213408 USPATFULL
 TI Methods of increasing distribution of therapeutic agents
 IN Bankiewicz, Krys, Piedmont, CA, UNITED STATES
 Hamilton, John, Washington, DC, UNITED STATES
 Oldfield, Edward, Philomont, VA, UNITED STATES
 Phillips, Heidi, Palo Alto, CA, UNITED STATES

PI US 2002114780 A1 20020822
 AI US 2001-999203 A1 20011130 (9)
 PRAI US 2000-250286P 20001130 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 942
 INCL INCLM: 424/085.100
 INCLS: 514/056.000
 NCL NCLM: 424/085.100
 NCLS: 514/056.000
 IC [7]
 ICM: A61K038-19
 ICS: A61K031-727
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 27 USPATFULL on STN
 AN 2002:133468 USPATFULL
 TI 32 human secreted proteins
 IN Ni, Jian, Germantown, MD, UNITED STATES
 Baker, Kevin P., Darnestown, MD, UNITED STATES
 Birse, Charles E., North Potomac, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Fiscella, Michele, Bethesda, MD, UNITED STATES
 Komatsoulis, George A., Silver Spring, MD, UNITED STATES
 LaFleur, David W., Washington, DC, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Soppet, Daniel R., Centreville, VA, UNITED STATES
 Young, Paul E., Gaithersburg, MD, UNITED STATES
 Wei, Ping, Brookeville, MD, UNITED STATES
 Florence, Kimberly A., Rockville, MD, UNITED STATES
 PI US 2002068319 A1 20020606
 US 6605592 B2 20030812
 AI US 2001-800729 A1 20010308 (9)
 RLI Continuation-in-part of Ser. No. WO 2000-US26013, filed on 22 Sep 2000,
 UNKNOWN
 PRAI US 1999-155709P 19990924 (60)
 DT Utility
 FS APPLICATION
 LN.CNT 36956
 INCL INCLM: 435/069.100
 INCLS: 435/007.100; 435/325.000; 435/183.000; 536/023.500; 530/388.100
 NCL NCLM: 514/002.000
 NCLS: 435/069.100; 435/071.100; 435/071.200; 435/252.300; 435/254.110;
 435/320.100; 435/325.000; 435/471.000; 514/008.000; 514/012.000;
 530/350.000
 IC [7]
 ICM: C12P021-02
 ICS: C12N005-06; G01N033-53; C07H021-04; C12N009-00
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 7 OF 27 USPATFULL on STN
 AN 2002:4289 USPATFULL
 TI ARTEMIN, A NEUROTROPHIC FACTOR
 IN MILBRANDT, JEFFREY D., ST LOUIS, MO, UNITED STATES
 BALOH, ROBERT H., ST LOUIS, MO, UNITED STATES
 PI US 2002002269 A1 20020103
 AI US 1998-220920 A1 19981224 (9)
 RLI Division of Ser. No. US 1998-218698, filed on 22 Dec 1998, PENDING
 Continuation-in-part of Ser. No. US 1998-163283, filed on 29 Sep 1998,
 ABANDONED
 PRAI US 1998-108148P 19981112 (60)

DT Utility
 FS APPLICATION
 LN.CNT 2669
 INCL INCLM: 530/351.000
 INCLS: 530/839.000; 530/324.000; 536/023.510; 514/012.000; 435/320.100;
 435/325.000; 514/044.000; 530/387.900; 530/388.240; 435/007.100;
 435/006.000
 NCL NCLM: 530/351.000
 NCLS: 530/839.000; 530/324.000; 536/023.510; 514/012.000; 435/320.100;
 435/325.000; 514/044.000; 530/387.900; 530/388.240; 435/007.100;
 435/006.000
 IC [7]
 ICM: C12Q001-68
 ICS: G01N033-53; A61K038-00; C07H021-04; A61K031-70; A01N043-04;
 A61K045-00; C12N015-00; C12N015-09; C12N015-63
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 8 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on
 STN
 AN 2003:303993 BIOSIS
 DN PREV200300303993
 TI NEURONAL DEVELOPMENT AND SURVIVAL IN MICE DEFICIENT IN THE GDNF Co -
 RECEPTOR RET.
 AU Oppenheim, R. W. [Reprint Author]; Prevette, D. M. [Reprint Author];
 Gould, T. [Reprint Author]; Enomoto, H.; Milbrandt, J.
 CS Dept Neurobiology and Anatomy, Wake Forest Univ Sch Med, Winston-Salem,
 NC, USA
 SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002)
 Vol. 2002, pp. Abstract No. 428.16. <http://sfn.scholarone.com>. cd-rom.
 Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience.
 Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 Conference; (Meeting Poster)
 LA English
 ED Entered STN: 2 Jul 2003
 Last Updated on STN: 2 Jul 2003

L3 ANSWER 9 OF 27 USPATFULL on STN
 AN 2001:147751 USPATFULL
 TI Artemin, a novel neurotrophic factor
 IN Milbrandt, Jeffrey D., St. Louis, MO, United States
 Baloh, Robert H., St. Louis, MO, United States
 PA Washington University, St. Louis, MO, United States (U.S. corporation)
 PI US 6284540 B1 20010904
 AI US 1998-220528 19981224 (9)
 RLI Division of Ser. No. US 1998-218698, filed on 22 Dec 1998
 Continuation-in-part of Ser. No. US 1998-163283, filed on 29 Sep 1998
 PRAI US 1998-108148P 19981112 (60)
 DT Utility
 FS GRANTED
 LN.CNT 2590
 INCL INCLM: 435/455.000
 INCLS: 435/320.100; 435/325.000; 435/366.000; 435/368.000; 435/383.000;
 435/384.000; 536/023.500
 NCL NCLM: 435/455.000
 NCLS: 435/320.100; 435/325.000; 435/366.000; 435/368.000; 435/383.000;
 435/384.000; 536/023.500
 IC [7]
 ICM: C12N005-00
 ICS: C12N005-08; C12N015-63; C12N015-85; C07H021-04
 EXF 530/350; 514/44; 435/4; 435/320.1; 435/5; 435/29; 536/23.5
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 10 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2001085981 PCTFULL ED 20020826
TIEN METHODS FOR STIMULATING NERVOUS SYSTEM REGENERATION AND REPAIR BY
REGULATING ARGINASE I AND POLYAMINE SYNTHESIS
TIFR METHODES DE STIMULATION DE LA REGENERATION ET DE LA REPARATION DU
SYSTEME NERVEUX PAR REGULATION DE L'ACTIVITE DE L'ARGINASE 1 ET DE LA
SYNTHESE DES POLYAMINES
IN FILBIN, Marie, T.;
RATAN, Rajiv, R.
PA RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK;
BETH ISRAEL DEACONESS MEDICAL CENTER;
FILBIN, Marie, T.;
RATAN, Rajiv, R.
DT Patent
PI WO 2001085981 A2 20011115
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS
JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW
MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ
UA UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW
AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB
GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML
MR NE SN TD TG
AI WO 2001-US14364 A 20010504
PRAI US 2000-60/202,307 20000505
ICM A61K038-50
ICS A61K038-18; A61K038-20; A61K031-70; A61K031-557; A61K048-00; A61P025-16;
A61P025-28

L3 ANSWER 11 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2001062795 PCTFULL ED 20020822
TIEN COMPOUNDS RELATED TO OR DERIVED FROM GFra4 AND THEIR USE
TIFR COMPOSES LIES A GFR&Agr;4 OU DERIVES DE CELUI-CI ET UTILISATION
IN AIRAKSINEN, Matti;
SAARMA, Mart;
POTERIAEV, Dimitri;
LINDAHL, Maria;
TIMMUSK, Toenis;
ROSSI, Jari
PA LICENTIA LTD.;
AIRAKSINEN, Matti;
SAARMA, Mart;
POTERIAEV, Dimitri;
LINDAHL, Maria;
TIMMUSK, Toenis;
ROSSI, Jari
DT Patent
PI WO 2001062795 A1 20010830
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW
AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB
GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML
MR NE SN TD TG
AI WO 2000-FI994 A 20001114
PRAI FI 2000-20000394 20000221
ICM C07K014-71
ICS A61K038-17; C12N005-16

L3 ANSWER 12 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2001062273 PCTFULL ED 20020822
TIEN THE USE OF GDNF FAMILY-RELATED COMPOUNDS FOR MANUFACTURING PRODUCTS FOR

TREATING TESTICULAR TUMORS
TIFR UTILISATION DE COMPOSES DE LA FAMILLE GDNF POUR FABRIQUER DES PRODUITS
DESTINES AU TRAITEMENT DE TUMEURS TESTICULAIRES
IN SARIOLA, Hannu;
MENG, Xiaojuan;
HYVOENEN, Mervi;
LINDAHL, Maria;
SAARMA, Mart
PA SARIOLA, Hannu;
MENG, Xiaojuan;
HYVOENEN, Mervi;
LINDAHL, Maria;
SAARMA, Mart
DT Patent
PI WO 2001062273 A1 20010830
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX
MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA
UG US UZ VN YU ZA ZW GH GM KE LS MW MZ SD SL SZ TZ UG ZW
AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB
GR IE IT LU MC NL PT SE TR BF BJ CF CG CI CM GA GN GW ML
MR NE SN TD TG
AI WO 2001-FI173 A 20010221
PRAI FI 2000-20000403 20000222
ICM A61K038-18

L3 ANSWER 13 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on
STN
AN 2001:519912 BIOSIS
DN PREV200100519912
TI Characterization of mouse transmembrane GFRalpha4 as a GFRalpha subunit.
AU Piepponen, T. P. [Reprint author]; Yang, J.; Runeberg-Roos, P.; Saarma, M.
CS Dept. of Pharmacy, Div. of Pharmacology and Toxicology, University of
Helsinki, Helsinki, Finland
SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 953. print.
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San
Diego, California, USA. November 10-15, 2001.
ISSN: 0190-5295.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 7 Nov 2001
Last Updated on STN: 23 Feb 2002

L3 ANSWER 14 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on
STN
AN 2001:519911 BIOSIS
DN PREV200100519911
TI Initial characterization of GDNF family receptor GFRalpha4-deficient mice.
AU Hiltunen, P. H. [Reprint author]; Lindahl, M. [Reprint author]; Rossi, J.
[Reprint author]; Piepponen, T. P.; Timmusk, T. [Reprint author]; Saarma,
M. [Reprint author]; Airaksinen, M. S. [Reprint author]
CS Institute of Biotechnology, University of Helsinki, Helsinki, Finland
SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 953. print.
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San
Diego, California, USA. November 10-15, 2001.
ISSN: 0190-5295.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 7 Nov 2001
Last Updated on STN: 23 Feb 2002

L3 ANSWER 15 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on
STN
AN 2001:486949 BIOSIS
DN PREV200100486949
TI In vitro and in vivo characterization of neublastin, a nociceptive
neuronal trophic factor.
AU Rossomando, A. J. [Reprint author]; Pepinsky, B. [Reprint author]; Cai, K.
[Reprint author]; Walus, L. [Reprint author]; Tse, A. [Reprint author];
Carmillo, P. [Reprint author]; Worley, D. [Reprint author]; Choi, E.
[Reprint author]; Miller, S. [Reprint author]; Sandroock, A. W. [Reprint
author]; Buckley, C. [Reprint author]; Ehrenfels, C. [Reprint author];
Calcutt, N. A.; Mizisin, A.; Sanicola, M. [Reprint author]; Cate, R.
[Reprint author]; Sah, D. W. Y. [Reprint author]
CS Biogen, Inc., Cambridge, MA, USA
SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 361. print.
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San
Diego, California, USA. November 10-15, 2001.
ISSN: 0190-5295.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LA English
ED Entered STN: 17 Oct 2001
Last Updated on STN: 23 Feb 2002

L3 ANSWER 16 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2000018799 PCTFULL ED 20020515
TIEN ARTEMIN, A NOVEL NEUROTROPHIC FACTOR
TIFR L'ARTEMINE, UN NOUVEAU FACTEUR NEUROTROPHIQUE
IN MILBRANDT, Jeffrey, D.;
BALOH, Robert, H.
PA WASHINGTON UNIVERSITY;
MILBRANDT, Jeffrey, D.;
BALOH, Robert, H.
LA English
DT Patent
PI WO 2000018799 A1 20000406
DS W: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA
ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT
SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 1999-US22604 A 19990929
PRAI US 1998-09/163,283 19980929
US 1998-60/108,148 19981112
US 1998-09/218,698 19981222
ICM C07K014-47
ICS C07K014-475; C12N005-10; C12N015-12; C12N015-16; C12N015-63; C12N015-64;
A61K038-16; A61K038-17; A61K038-18; A61K039-395; A61K048-00

L3 ANSWER 17 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2000017360 PCTFULL ED 20020515
TIEN CYSTINE KNOT GROWTH FACTOR MUTANTS
TIFR MUTANTS DU FACTEUR DE CROISSANCE A NOEUD DE CYSTINE
IN WEINTRAUB, Bruce, D.;
SZKUDLINSKI, Mariusz, W.
PA UNIVERSITY OF MARYLAND, BALTIMORE;
WEINTRAUB, Bruce, D.;
SZKUDLINSKI, Mariusz, W.
LA English
DT Patent
PI WO 2000017360 A1 20000330
DS W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
 SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH GM
 KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
 CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF
 CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 1999-US5908 A 19990319
 PRAI US 1998-PCT/US98/19772 19980922
 ICM C12N015-16
 ICS C07K014-59; C07K014-49; C07K014-475; C07K014-495; C07K014-47;
 C07K014-51; C07K014-575; A61K038-24; G01N033-68

L3 ANSWER 18 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN
 AN 2000010594 PCTFULL ED 20020515
 TIEN THE USE OF GLIAL CELL LINE-DERIVED NEUROTROPHIC FACTOR FAMILY-RELATED
 COMPOUNDS FOR REGULATING SPERMATOGENESIS AND FOR PREPARING MALE
 CONTRACEPTIVES
 TIFR UTILISATION DE COMPOSES DE LA FAMILLE DU FACTEUR NEUROTROPHIQUE DERIVE
 DE LIGNEES CELLULAIRES GLIALES POUR LA REGULATION DE LA SPERMATOGENESE
 ET LA PREPARATION DE CONTRACEPTIFS MALES
 IN SARIOLA, Hannu;
 XIAOJUAN, Meng;
 SALO, Mervi;
 LINDAHL, Maria;
 SAARMA, Mart
 PA SARIOLA, Hannu;
 XIAOJUAN, Meng;
 SALO, Mervi;
 LINDAHL, Maria;
 SAARMA, Mart
 LA English
 DT Patent
 PI WO 2000010594 A1 20000302
 DS W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
 DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP
 KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT
 RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA
 ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ
 TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
 BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 1999-FI687 A 19990820
 PRAI FI 1998-981793 19980821
 FI 1999-990415 19990226
 ICM A61K038-18

L3 ANSWER 19 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN
 AN 2000004050 PCTFULL ED 20020515
 TIEN NEUROTROPHIC GROWTH FACTOR
 TIFR FACTEUR DE CROISSANCE NEUROTROPHIQUE
 IN GEERTS, Hugo, Alfonso;
 MASURE, Stefan, Leo, Jozef;
 MEERT, Theo, Frans;
 CIK, Miroslav;
 VER DONCK, Luc, August, Laurentius
 PA JANSSEN PHARMACEUTICA N.V.;
 GEERTS, Hugo, Alfonso;
 MASURE, Stefan, Leo, Jozef;
 MEERT, Theo, Frans;
 CIK, Miroslav;
 VER DONCK, Luc, August, Laurentius
 LA English
 DT Patent
 PI WO 2000004050 A2 20000127
 DS W:

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
 LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU
 SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW GH
 GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT
 BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
 CF CG CI CM GA GN GW ML MR NE SN TD TG

AI WO 1999-EP5031 A 19990714
 PRAI GB 1998-9815283.8 19980714
 US 1999-09/248,772 19990212
 US 1999-09/327,668 19990608
 ICM C07K014-475
 ICS C12N015-11; C12N015-63; C12N005-16; A61K038-18; G01N033-53; G01N033-68;
 C12Q001-68

L3 ANSWER 20 OF 27 MEDLINE on STN DUPLICATE 1
 AN 2001106013 MEDLINE
 DN PubMed ID: 10958791
 TI Mammalian GFRalpha -4, a divergent member of the GFRalpha family of coreceptors for glial cell line-derived neurotrophic factor family ligands, is a receptor for the neurotrophic factor persephin.
 AU Masure S; Cik M; Hoefnagel E; Nosrat C A; Van der Linden I; Scott R; Van Gompel P; Lesage A S; Verhasselt P; Ibanez C F; Gordon R D
 CS Departments of Biotechnology and High-Throughput Screening and of Biochemical Pharmacology, Janssen Research Foundation, Turnhoutseweg 30, B-2340 Beerse, Belgium.. smasure@janbe.jnj.com
 SO Journal of biological chemistry, (2000 Dec 15) 275 (50) 39427-34.
 Journal code: 2985121R. ISSN: 0021-9258.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AJ294476
 EM 200102
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010208

L3 ANSWER 21 OF 27 MEDLINE on STN DUPLICATE 2
 AN 2001127917 MEDLINE
 DN PubMed ID: 11079571
 TI Glial cell line-derived neurotrophic factor (GDNF) is a proliferation factor for rat C6 glioma cells: evidence from antisense experiments.
 AU Wiesenhofer B; Weis C; Humpel C
 CS Department of Psychiatry, University Hospital, Innsbruck, Austria.
 SO Antisense & nucleic acid drug development, (2000 Oct) 10 (5) 311-21.
 Journal code: 9606142. ISSN: 1087-2906.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200102
 ED Entered STN: 20010322
 Last Updated on STN: 20010322
 Entered Medline: 20010222

L3 ANSWER 22 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN
 AN 2001:70417 BIOSIS
 DN PREV200100070417
 TI Glial cell line-derived neurotrophic factor family receptors are differentially regulated by focal ischemia in the rat brain.
 AU Arvidsson, A. [Reprint author]; Kokaia, Z.; Airaksinen, M.; Saarma, M.; Lindvall, O.
 CS Wallenberg Neuroscience Center, University Hospital, SE-221 85, Lund,

Sweden

SO Society for Neuroscience Abstracts, (2000) Vol. 26, No. 1-2, pp. Abstract No.-288.13. print.
Meeting Info.: 30th Annual Meeting of the Society of Neuroscience. New Orleans, LA, USA. November 04-09, 2000. Society for Neuroscience.
ISSN: 0190-5295.

DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)

LA English

ED Entered STN: 7 Feb 2001
Last Updated on STN: 12 Feb 2002

L3 ANSWER 23 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN

AN 1999:282222 BIOSIS

DN PREV199900282222

TI Changes in **GDNF**, **persephin** and **receptor** mRNA levels in a model of chronic denervation.

AU Hoke, Ahmet [Reprint author]; Zochodne, Douglas W. [Reprint author]

CS Calgary, AB, Canada

SO Neurology, (April 12, 1999) Vol. 52, No. 6 SUPPL. 2, pp. A530. print.
Meeting Info.: 51st Annual Meeting of the American Academy of Neurology. Toronto, Ontario, Canada. April 17-24, 1999. American Academy of Neurology.
CODEN: NEURAI. ISSN: 0028-3878.

DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)

LA English

ED Entered STN: 28 Jul 1999
Last Updated on STN: 28 Jul 1999

L3 ANSWER 24 OF 27 MEDLINE on STN DUPLICATE 3

AN 1998245162 MEDLINE

DN PubMed ID: 9576965

TI GFRalpha3 is an orphan member of the **GDNF**/neurturin/**persephin receptor** family.

AU Baloh R H; Gorodinsky A; Golden J P; Tansey M G; Keck C L; Popescu N C; Johnson E M Jr; Milbrandt J

CS Department of Pathology and Internal Medicine, Molecular Biology, and Pharmacology, Washington University School of Medicine, 660 South Euclid Avenue, Box 8118, St. Louis, MO 63110, USA.

NC R01 AG13729 (NIA)
R01 AG13730 (NIA)

SO Proceedings of the National Academy of Sciences of the United States of America, (1998 May 12) 95 (10) 5801-6.
Journal code: 7505876. ISSN: 0027-8424.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

OS GENBANK-AF051766; GENBANK-AF051767

EM 199806

ED Entered STN: 19980708
Last Updated on STN: 19980708
Entered Medline: 19980619

L3 ANSWER 25 OF 27 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation. on STN

AN 1999:52068 BIOSIS

DN PREV199900052068

TI Expression pattern of mRNA for **GDNF**, **persephin** and their **receptors** in peripheral nerve injury.

AU Hoke, A.; Cheng, C.; Zochodne, D. W.

CS Dep. Clin. Neurosci., Univ. Calgary, Alberta T2N 4N1, Canada
SO Society for Neuroscience Abstracts, (1998) Vol. 24, No. 1-2, pp. 556.
print.
Meeting Info.: 28th Annual Meeting of the Society for Neuroscience, Part
1. Los Angeles, California, USA. November 7-12, 1998. Society for
Neuroscience.
ISSN: 0190-5295.

DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)

LA English
ED Entered STN: 10 Feb 1999
Last Updated on STN: 10 Feb 1999

L3 ANSWER 26 OF 27 MEDLINE on STN DUPLICATE 4
AN 1998150950 MEDLINE
DN PubMed ID: 9491986
TI Persephin, a novel neurotrophic factor related to GDNF and neurturin.
AU Milbrandt J; de Sauvage F J; Fahrner T J; Baloh R H; Leitner M L; Tansey M
G; Lampe P A; Heuckeroth R O; Kotzbauer P T; Simburger K S; Golden J P;
Davies J A; Vejsada R; Kato A C; Hynes M; Sherman D; Nishimura M; Wang L
C; Vandlen R; Moffat B; Klein R D; Poulsen K; Gray C; Garces A; Johnson E
M Jr; +
CS Washington University School of Medicine, St. Louis, Missouri 63110, USA.
NC R01 AG13729 (NIA)
R01 AG13730 (NIA)
SO Neuron, (1998 Feb) 20 (2) 245-53.
Journal code: 8809320. ISSN: 0896-6273.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AF040960; GENBANK-AF040961; GENBANK-AF040962
EM 199803
ED Entered STN: 19980326
Last Updated on STN: 19980326
Entered Medline: 19980313

L3 ANSWER 27 OF 27 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2001002557 PCTFULL
no bibliographic data available - please use FPI for PI information

- TI GFRalpha3 is an orphan member of the GDNF/neurturin/
persephin receptor family.
- AB GDNF, neurturin, and persephin are transforming growth factor beta-related neurotrophic factors known collectively as the GDNF family (GF). GDNF and neurturin signal through a multicomponent receptor complex containing a signaling component (the Ret receptor tyrosine kinase) and either of two glycosyl-phosphatidylinositol-linked binding components (GDNF family **receptor** alpha components 1 and 2, GFRalpha1 or GFRalpha2), whereas the receptor for **persephin** is unknown. Herein we describe a third member of the GF coreceptor family called GFRalpha3 that is encoded by a gene located on human chromosome 5q31.2-32. GFRalpha3 is not expressed in the central nervous system of the developing or adult animal but is highly expressed in several developing and adult sensory and sympathetic ganglia of the peripheral nervous system. GFRalpha3 is also expressed at high levels in developing, but not adult, peripheral nerve. GFRalpha3 is a glycoprotein that is glycosyl-phosphatidylinositol-linked to the cell surface like GFRalpha1 and GFRalpha2. Fibroblasts expressing Ret and GFRalpha3 do not respond to any of the known members of the GDNF family, suggesting that GFRalpha3 interacts with an unknown ligand or requires a different or additional signaling protein to function.